



Loudoun County, Virginia

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Division of Procurement  
1 Harrison St, SE 4<sup>th</sup> Floor MSC 41C  
Leesburg, Virginia 20175

December 2, 2010

NOTICE TO OFFERORS

ADDENDUM NO. 1

QQ-01604

The following changes and/or additions shall be made to the original Invitation for Bid No. QQ-01604, Solar Panels for the Loudoun County Youth Shelter. Please acknowledge receipt of this addendum by signing and returning with your bid.

1. Attached are responses to questions received at pre-bid meeting on November 22, 2010 by email through December 1, 2010.
2. **Delete IFB page 35, Section 7.0 Bid Forms for Solar Panels for the Loudoun County Youth Shelter and replace with the revised Bid Form page contained in Attachment #1 to this Addendum.**
3. The Solar Contractor awarded this contract must comply with all NOVEC requirements; 20 VAC 5-315-20, Regulation Governing Net Metering and submit the Interconnection Notification form to NOVEC. 20 VAC 50315-20 and the Interconnection Notification form are contained in Attachment #4 to this Addendum.
4. Specification 3.2.1a 8; delete "Inverters – UL listed with islanding protection" and replace with **"Microinverters shall be used for all panels on this project."**
5. Specification 3.2.1b 8; delete "Inverters – UL listed with islanding protection" and replace with **"Microinverters shall be used for all panels on this project."**
6. Delete Specification 3.2.4 and replace with "Solar Contractor shall install Microinverters in approved locations and in appropriate enclosures. Such Microinverters shall have both a DC and AC disconnect. Inverters shall be independent with the failure of one not affecting those remaining.

7. In Specifications 3.2.6 and 3.3.4; delete the word “inverters” and replace with Microinverters.
8. Roof Penetrations. Roof penetration details are provided in Attachment #2 to this Addendum. Reference Question 3 for approved method to attach solar panels to shingle roof.

Prepared By: Christopher Bresley /s/ Date: 12/2/2010  
Contracting Officer

Acknowledged By: \_\_\_\_\_ Date: \_\_\_\_\_

Attachment 1: Revised pricing Page Bid Form  
Attachment 2: Roof Penetration Details  
Attachment 3: Net Metering Requirements  
Attachment 4: Existing Youth Shelter Building Information  
Attachment 5: Standing Seam Metal Roof Details

## Questions and Answers

- Q1: Regarding IFB Specification 3.1.2, that states "This system must provide at least 27.0 KWHR of power." Do you mean 27 KWp (dc rated peak power)? In other words, using 119 modules rated at 230Wp is ok, since this exceeds the 27.0 KWdc figure.
- A1: Panels must be a minimum of 235 watt each.  $119 \text{ panels} \times 235 \text{ watt} = 27.965 \text{ KWp}$
- Q2: Regarding IFB Specification 3.2.1a, b number 6, Azimuth. 180 degrees is not possible with planned building foot print/ orientation. Please allow azimuth the match existing or planned orientation.
- A2: Delete references to Azimuth, panels are to lay flat and parallel to roof surfaces.
- Q3: Regarding IFB Specification 3.2.1b - 7. "Mounting – non-penetrating roof mount on asphalt shingle roof. Mounting system shall not extend beyond the perimeter of the panels." Generally accepted practice for asphalt shingles is to have penetrations. Consider removing this constraint, especially since other places in the IFB it does allow penetrations (but they should be minimized and weatherized)
- A3: Penetrations to shingle roofing to be kept to absolute minimum and discussed with the Loudoun County Project Manager prior to installation of panel mounts. Contractors are to use the details in Attachment #2 to this Addendum for all penetrations through the shingle roof. The use of Green-Fasten Attachments from ECO-Fasten, 289 Harrel Street, Morrisville, VT 05661 is **required**. Their contact information is [www.eco-fasten.com](http://www.eco-fasten.com) or telephone at (877) 859-3947.
- Q4: Regarding IFB Specification 3.2.6: "...Mounting system for array(s) on the existing building shall avoid roof penetrations as much as possible and Solar Contractor will be responsible for maintaining existing roofing warranty." Please provide contact info for roofer, so that an agreement can be reached.
- A4: Roofer was Platinum Exteriors, 43760 Trade Center Place, Ste 140 Sterling, VA. Phone: 703-661-6567. TMG was the General Contractor and Platinum was the subcontractor. Roof was installed in February, 2009.
- Q5: Regarding IFB Specification 3.2.8: "...Solar Contractor shall configure and provide the computer hardware and software to monitor the system including data acquisition and analysis as well as any cabling or connections to the internet or other building computers..." Please provide information regarding facility internet access. Is there a router that can be used for a DSL connection to the Internet? Is there one in each building? Where is it (is it accessible)?
- A5: Computer hardware, monitor and software for this system is still to be determined. Solar Contractor to include an allowance of \$5,000.00 for all monitoring equipment

for the system, and shall work with Loudoun County Department of Information Technology to purchase recommended computer and monitor, and shall purchase and install wall mount appropriate for monitor inside the new Youth Shelter building. Data and power will be provided for wall mounted monitor in the new Youth Shelter building. The existing YS building will not have a wall mounted display for youths.

Note that all County facilities have access to the Internet via central high-speed Internet POP at our Main Data Center. All traffic is firewalled, subjected to content filtering, etc. We do NOT typically approve separate, outside DSL or other ISP-provided links to the Internet. All buildings, sections, additions, etc., are all interconnected via routing switches to our Enterprise LAN/WAN.

**Please note, the Pricing Page of the Bid Forms has been revised to account for the \$5,000 allowance and is in Attachment #1 to this Addendum.**

Q6: Please confirm that a 5 year warranty is required.

A6: The warranty requirements for this contract are contained in Section 3.3 Warranty; Section 5.33 Guarantee and Section 5.24 Warranty.

Q7: Our Company would like to bid on your solar project for the Loudoun County Youth Shelter; however we do not have a Virginia Class A Contractors license. The sub-contractor we use for installations has the Class A Contractors License. Will our bid be rejected if we do not hold a contractor's license?

A7: The organization submitting the bid must have a Virginia Class A Contractors License.

Q8: Can you provide information on the construction of the existing youth shelter building?

A8: In Attachment #4 to this Addendum is the existing Youth Shelter building elevations, floor plan, framing and foundation plan; building sections; truss types and structural details. Also the link below will take you to satellite photos of the existing Youth Shelter.

<http://www.bing.com/maps/explore/?org=aj#5003/0.5040=rtp:adr.~adr.:mode:D:rtp:0:avoid:0:panel:l/5872/style=be&lat=qhcqkt&lon=8j3qzm&alt=89.845009&z=20&h=95.798949&pid=5874>

Q9: Is the use of Microinverters permitted?

A9: The scope of work has been modified to **require** the use of Microinverters. Please refer to items 4, 5, 6 and 7 at the beginning of this addendum.

Q10: Can you please list the Roofing Company's contact information, we may need their approval so not to void the Youth Shelters' new roof warranty on existing facility?

A10: Please see response to Question 4

Q11: Can you provide contact information for GC for new adjacent Youth Center?

A11: Contact information is below:

Dave Bowers  
Project Manager  
**E. E. Reed Construction, L.P.**  
3076 Centreville Road, Ste 210  
Herndon, VA 20171  
Phone: (703) 925-0700  
Fax: (703) 925-0702  
Cell: (703) 568-8519

Q12: It looks as though some trees may create a shade issue for the existing center which may in turn reduce energy production in affected PV strings, will Loudoun County be responsible for trimming/removal if necessary?

A12: No.

Q13: The solicitation states the General Contractor will provide conduit for the New Youth Shelter from inverter(s) to each arrays, will the General Contractor also provide conductors from inverter(s) to each arrays?

A13: No.

Q14: Can the General Contractor confirm which Standing Seam Metal Roof is incorporated within the design on new Youth Shelter? Can you provide illustrations with dimensions?

A14: Yes. See attached roof plan in Attachment #5 to this Addendum.

Q15: If our company is not located within Loudoun County, will we need any other Business Licenses, e.g. BPOL to bid on this project?

A15: After contract award but prior to starting work, you will be required to obtain the Loudoun County BPOL.

Q16: Please supply contact information for NOVEC.

A16: The point of contact at NOVEC that handles interconnections is Claire Bargerstock. His email address is [CBarger@novec.com](mailto:CBarger@novec.com). And phone number is 703-392-1607.

## End of Questions & Answers